

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P674612

Luminaire Tested: **CCP-SA-2E-830-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674612
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-830-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

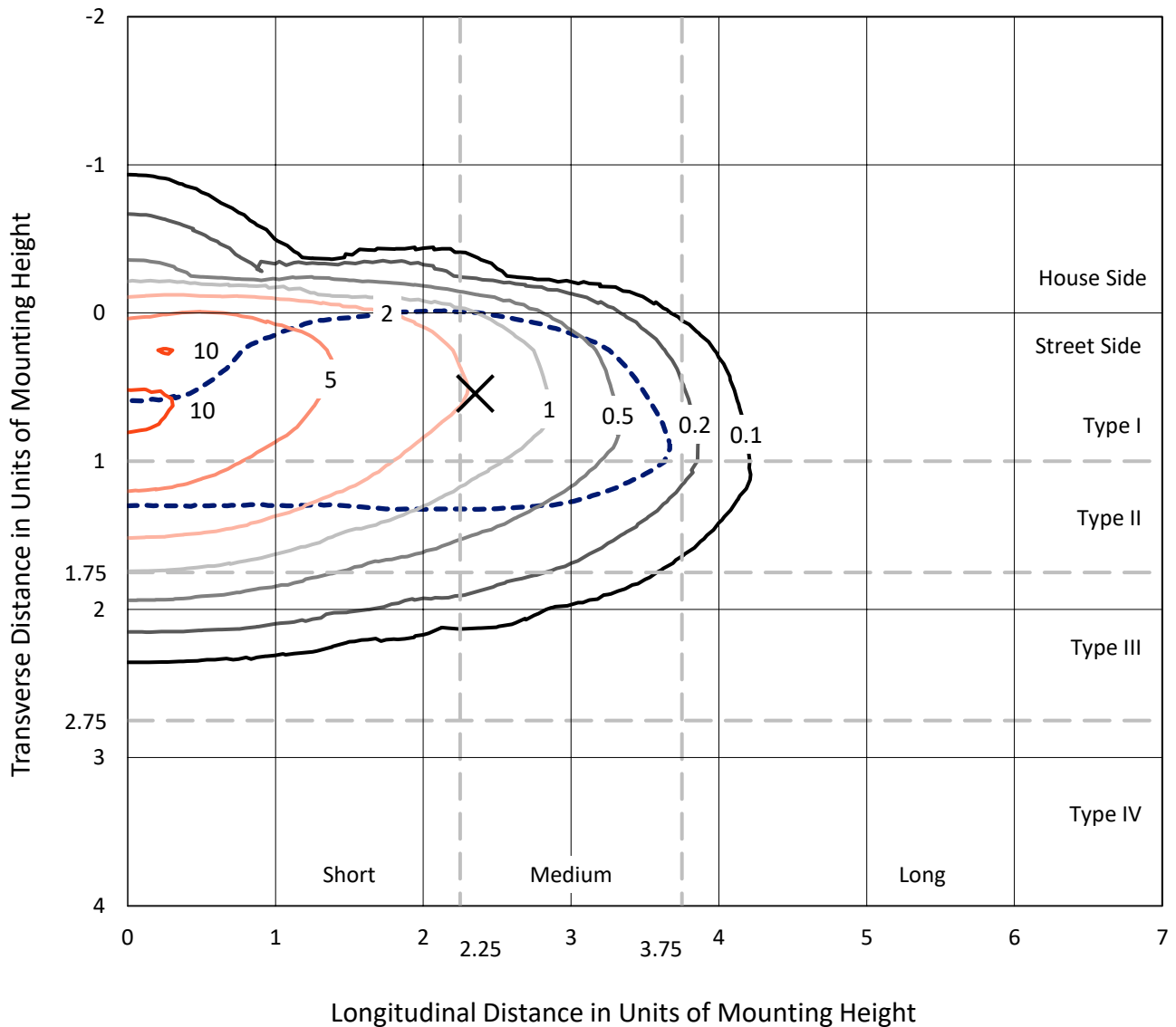
Lumens per Lamp: N/A
Luminaire Lumens: 8797.1 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

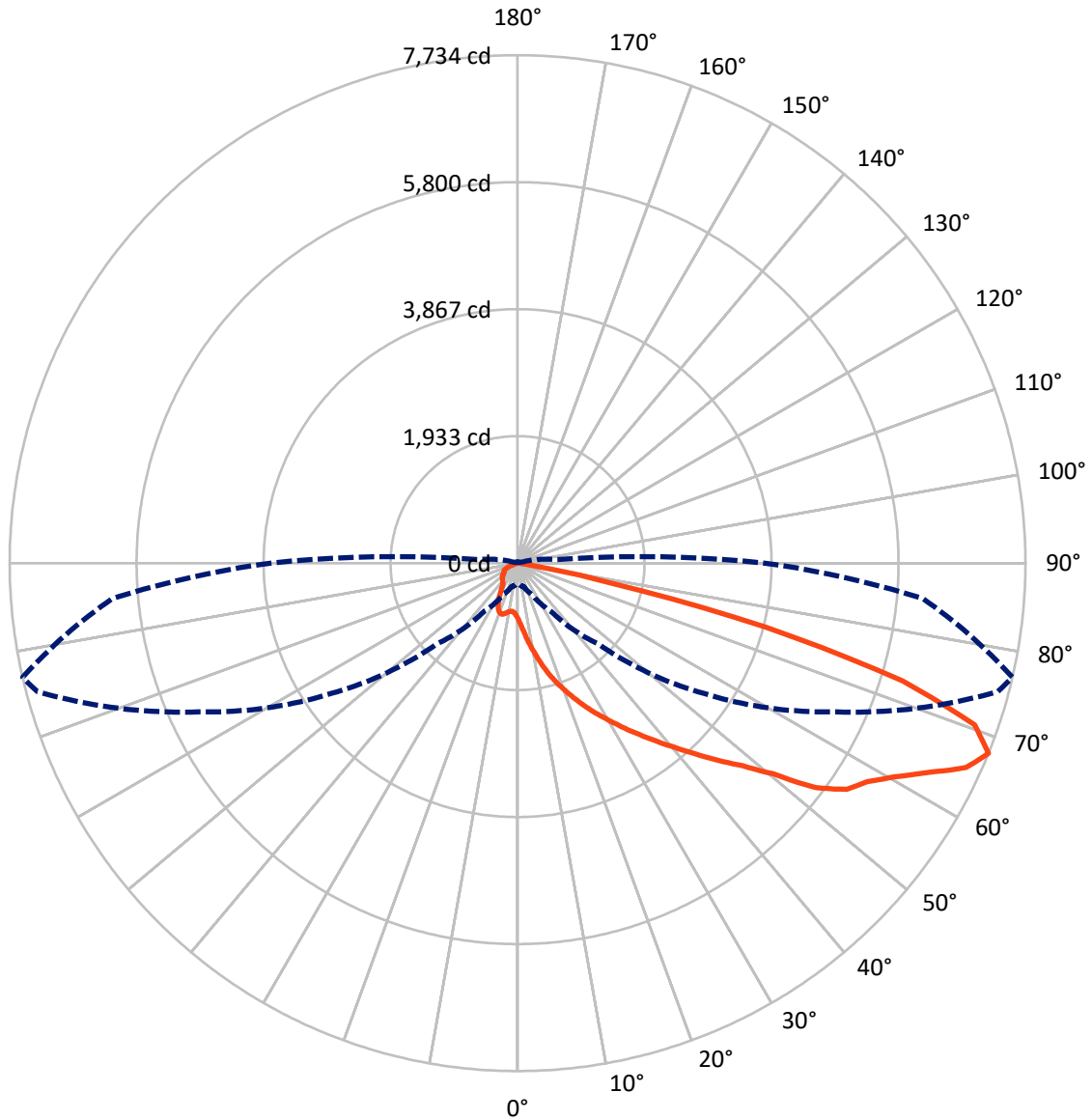
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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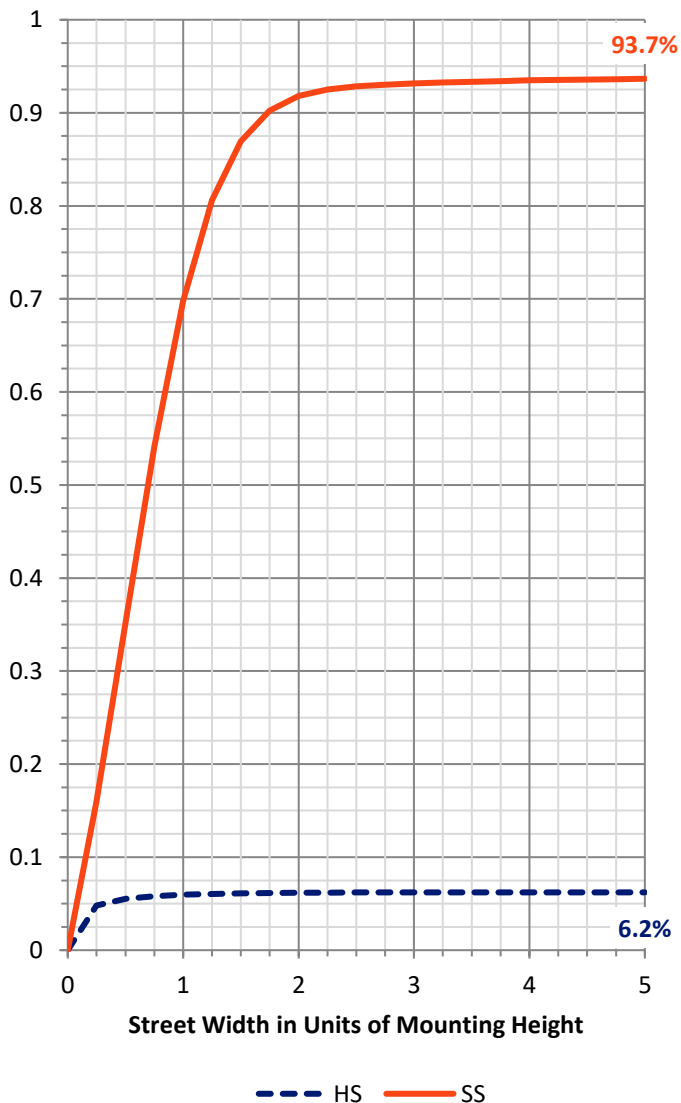
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.7	0.0	549.7
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	8247.4	0.0	8247.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	8797.1	0.0	8797.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	1.1
10°-20°	366.2	4.2
20°-30°	715.4	8.1
30°-40°	1250.8	14.2
40°-50°	1824.2	20.7
50°-60°	2133.1	24.2
60°-70°	1729.2	19.7
70°-80°	649.6	7.4
80°-90°	29.5	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8797.1	100.0
0°-180°	8797.1	100.0



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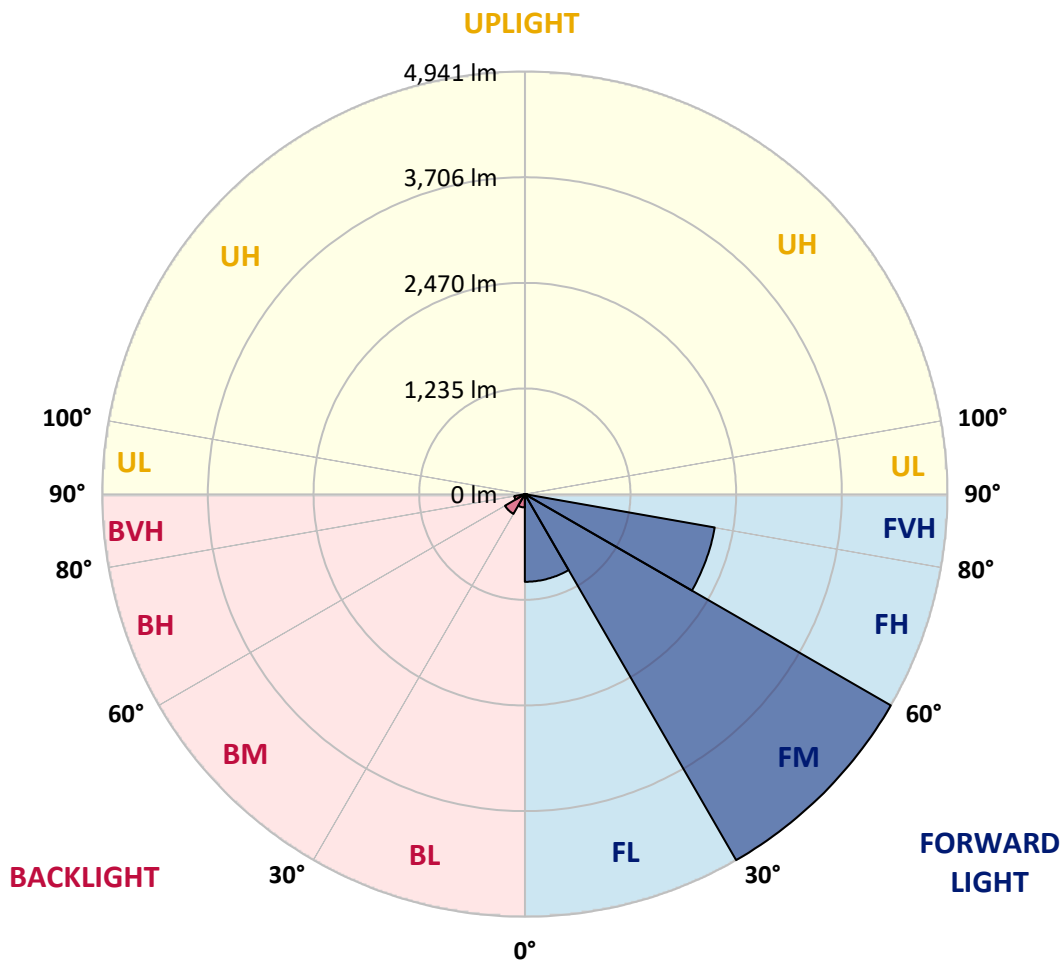
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1024.8	11.6			
FM (30°-60°)	4940.7	56.2			
FH (60°-80°)	2254.1	25.6			G2/5000
FVH (80°-90°)	27.8	0.3			G1/100
BL (0°-30°)	155.9	1.8	B1/500		
BM (30°-60°)	267.5	3.0	B1/1000		
BH (60°-80°)	124.7	1.4	B1/500		G1/500
BVH (80°-90°)	1.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6
2.5°	1265.1	1219.0	1227.8	1208.7	1184.1	1126.9	1066.5	1006.2	952.2	940.3	886.3
5°	1620.1	1605.8	1590.7	1578.0	1526.4	1454.9	1346.1	1207.9	1083.2	1061.8	949.8
7.5°	1895.6	1874.2	1887.7	1848.8	1794.8	1725.7	1587.5	1439.8	1247.6	1215.8	1041.9
10°	2098.9	2087.0	2093.4	2075.1	2048.9	1979.8	1843.2	1658.2	1435.8	1375.5	1145.2
12.5°	2251.4	2253.8	2281.6	2283.2	2261.7	2205.4	2060.8	1867.8	1606.6	1552.6	1259.5
15°	2362.6	2365.0	2399.1	2435.7	2460.3	2430.9	2299.9	2083.9	1807.5	1733.6	1379.4
17.5°	2380.9	2382.5	2442.8	2516.7	2592.9	2618.3	2517.5	2298.3	1990.9	1906.8	1516.8
20°	2392.8	2406.3	2460.3	2545.3	2666.0	2744.6	2689.8	2504.0	2168.8	2071.2	1651.8
22.5°	2537.3	2537.3	2569.1	2629.4	2725.5	2848.6	2837.5	2693.0	2342.0	2245.1	1786.1
25°	2843.9	2843.9	2812.9	2797.0	2848.6	2945.5	2973.3	2894.7	2539.7	2425.3	1927.4
27.5°	3249.7	3249.7	3201.2	3084.5	3040.0	3080.5	3109.9	3070.2	2722.4	2609.6	2076.7
30°	3670.6	3684.9	3600.7	3452.2	3296.5	3265.6	3237.0	3228.2	2916.9	2789.9	2228.4
32.5°	4093.1	4091.5	3986.7	3801.6	3598.3	3488.7	3395.8	3385.5	3123.4	2998.7	2372.1
35°	4430.6	4431.4	4321.0	4131.2	3896.1	3756.3	3607.0	3558.6	3349.7	3210.8	2543.7
37.5°	4722.8	4706.2	4587.0	4406.8	4187.6	4043.0	3857.2	3730.9	3584.0	3442.7	2715.2
40°	4890.4	4868.2	4752.2	4580.7	4414.7	4304.3	4140.7	3939.0	3841.3	3688.8	2910.6
42.5°	4915.0	4896.0	4818.9	4715.7	4579.9	4483.0	4439.3	4174.1	4111.3	3973.2	3144.1
45°	4845.9	4815.0	4789.5	4735.5	4697.4	4650.6	4710.1	4424.2	4421.1	4283.7	3375.2
47.5°	4674.4	4632.3	4638.7	4698.2	4741.1	4783.2	4969.0	4752.2	4733.2	4604.5	3678.5
50°	4381.3	4360.7	4430.6	4548.1	4718.1	4886.4	5227.1	5087.3	5162.8	5042.1	4097.0
52.5°	3785.7	3811.1	4020.0	4302.7	4596.6	4934.9	5469.3	5587.7	5780.6	5681.4	4517.9
55°	3071.0	3061.5	3340.2	3842.1	4311.5	4903.9	5575.0	5882.3	6185.7	6081.6	4752.2
57.5°	2473.8	2490.5	2678.7	3175.0	3827.8	4664.9	5599.6	6036.4	6348.5	6279.4	4969.0
60°	1856.7	1872.6	2044.2	2476.2	3184.6	4166.1	5396.3	6090.4	6654.2	6601.8	5315.3
62.5°	1181.7	1202.3	1374.7	1794.8	2434.1	3391.0	4939.6	6034.0	6973.5	7017.1	5787.8
65°	581.3	599.6	726.7	1048.3	1627.2	2535.7	4302.7	5818.8	7380.1	7504.8	6166.6
67.5°	321.6	330.4	374.0	533.7	907.7	1739.2	3457.7	5358.9	7566.7	7733.5	6192.0
70°	250.2	252.5	269.2	311.3	442.3	1020.5	2459.5	4593.4	7179.9	7381.7	5676.6
72.5°	210.5	213.6	221.6	235.9	276.4	531.3	1545.4	3549.9	6041.1	6132.5	4391.7
75°	154.1	158.8	181.1	193.8	218.4	322.4	681.4	2133.1	3992.2	3902.5	2457.1
77.5°	129.4	133.4	139.0	157.2	180.3	220.0	239.0	894.2	1624.8	1412.8	644.9
80°	88.2	92.9	108.0	117.5	152.5	145.3	99.3	239.8	326.4	266.0	123.9
82.5°	62.7	66.7	74.7	96.1	110.4	77.0	54.0	73.1	78.6	74.7	40.5
85°	19.9	25.4	54.0	79.4	59.6	26.2	34.1	27.8	24.6	23.8	15.9
87.5°	4.0	4.0	27.0	31.8	23.8	13.5	11.9	8.7	11.1	11.1	8.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6	842.6
2.5°	860.9	825.1	773.5	725.1	675.8	640.9	616.3	591.6	582.1	578.1	567.8
5°	899.0	830.7	728.2	645.6	585.3	547.2	524.1	504.3	491.6	487.6	482.1
7.5°	953.8	855.3	708.4	613.1	552.7	511.4	474.1	431.2	397.1	383.6	378.0
10°	1013.3	892.6	711.6	606.7	526.5	436.0	352.6	283.5	253.3	242.2	234.3
12.5°	1100.7	933.9	725.1	599.6	447.9	311.3	225.5	197.0	189.8	188.2	186.6
15°	1188.1	991.9	747.3	551.9	334.3	212.0	187.4	177.1	173.1	169.2	169.2
17.5°	1276.2	1047.5	756.0	459.0	231.1	183.4	170.7	162.0	155.7	152.5	150.1
20°	1375.5	1106.3	730.6	345.5	185.0	167.6	153.3	142.9	137.4	134.2	131.8
22.5°	1482.7	1164.2	675.0	240.6	168.4	150.9	137.4	127.1	121.5	118.3	117.5
25°	1583.5	1214.3	586.1	181.1	151.7	135.0	122.3	113.6	109.6	106.4	105.6
27.5°	1687.6	1257.1	470.1	159.6	138.2	122.3	109.6	102.4	98.5	96.1	95.3
30°	1789.2	1286.5	350.2	146.1	126.3	110.4	99.3	93.7	89.7	87.4	86.6
32.5°	1894.1	1303.2	236.7	134.2	114.4	100.1	90.5	85.0	82.6	80.2	80.2
35°	1994.9	1300.8	170.7	123.1	104.8	90.5	81.8	77.8	77.0	74.7	74.7
37.5°	2105.3	1284.1	145.3	112.8	94.5	81.8	74.7	72.3	71.5	69.9	69.1
40°	2230.8	1246.8	132.6	104.8	85.8	74.7	68.3	66.7	65.9	64.3	64.3
42.5°	2368.2	1198.4	125.5	96.1	78.6	67.5	62.7	60.4	59.6	58.0	58.0
45°	2527.8	1152.3	120.7	87.4	72.3	61.9	57.2	54.8	54.0	52.4	52.4
47.5°	2745.4	1126.1	112.8	79.4	65.1	56.4	51.6	50.0	48.4	46.9	46.9
50°	3044.8	1095.1	102.4	71.5	59.6	50.8	47.6	45.3	44.5	42.9	42.9
52.5°	3291.0	1029.2	92.1	63.5	53.2	46.9	43.7	42.1	40.5	39.7	39.7
55°	3377.5	952.2	81.8	57.2	48.4	43.7	40.5	38.9	38.1	37.3	37.3
57.5°	3515.7	927.6	72.3	50.8	43.7	40.5	37.3	36.5	35.7	34.9	34.1
60°	3751.6	941.9	63.5	45.3	39.7	36.5	34.1	33.4	31.8	30.2	30.2
62.5°	3980.3	924.4	54.0	39.7	34.1	32.6	30.2	28.6	25.4	23.0	21.4
65°	4035.9	807.7	46.9	33.4	28.6	27.0	24.6	21.4	16.7	13.5	13.5
67.5°	3766.7	613.9	40.5	28.6	23.8	22.2	17.5	14.3	10.3	7.9	7.9
70°	3108.3	389.1	33.4	22.2	19.9	15.1	11.1	10.3	7.1	6.4	5.6
72.5°	2242.7	212.8	27.8	18.3	14.3	9.5	7.9	6.4	4.8	3.2	3.2
75°	1135.6	100.1	20.6	14.3	9.5	6.4	4.8	3.2	3.2	2.4	2.4
77.5°	321.6	46.1	13.5	9.5	6.4	4.0	3.2	2.4	2.4	1.6	1.6
80°	63.5	23.0	8.7	6.4	4.8	3.2	2.4	1.6	1.6	0.8	0.8
82.5°	23.0	11.9	6.4	4.8	4.0	3.2	1.6	0.8	0.8	0.0	0.0
85°	11.9	6.4	4.8	4.0	3.2	2.4	1.6	0.8	0.0	0.0	0.0
87.5°	6.4	4.8	4.0	4.0	3.2	2.4	1.6	0.8	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)